

AMENDMENTS TO THE CLAIMS:

1. (Currently Amended) A head for ink-jet printer comprising:

a silicon substrate on which a plurality of ink nozzles and a plurality of ink passages each communicating separately to each of the ink nozzles are processed finely using a plasma etching method;

an inorganic substrate which is joined with said silicon substrate and is provided with ink chambers each communicating separately to each of the ink passages; and

a piezoelectric element of ferroelectric substance for changing separately a capacity of each of the ink chambers to jet an ink from said ink nozzles through said ink ~~chambers~~ passages;

wherein said ink passages are fine as compared with said ink chambers and said ink nozzles are fine as compared with said ink passages, and

wherein said inorganic substrate has a common ink supply port for supplying ink to said plurality of ink passages at a portion on a surface of said inorganic substrate between a plurality of said piezoelectric elements.

Claims 2 and 3 (Cancelled)

4. (Previously Presented) The head for ink-jet printer according to claim 1, wherein said ink nozzles have tapered configurations.

5. (Previously Presented) The head for ink-jet printer according to claim 1, wherein said silicon substrate has a construction in which plural silicon substrates are laminated.

6. (Previously Presented) The head for ink-jet printer according to claim 5, wherein said ink nozzles and said ink passages are communicated by laminating the silicon substrate in which said ink nozzles are processed and the silicon substrate in which said ink passages are processed.

7. (Currently Amended) ~~The head for~~ An ink-jet printer comprising:
~~the a~~ head for ink-jet printer as defined in claim 1; and
an ink tank for storing ink supplied to said ink chambers of said printer head.

Claims 8-10 (Cancelled)

11. (Previously Presented) A head for ink-jet printer according to claim 1, wherein said ink passages have a cross-sectional area less than a cross-sectional area of said ink chambers, and wherein said ink nozzles have a cross-sectional area less than a cross-sectional area of said ink passages.

12. (Previously Presented) A head for ink-jet printer according to claim 1, wherein a pitch of the ink nozzles is approximately 20 μm .